## 23PCA12 — LINUX AND SHELL PROGRAMMING

Time : Three hours　　　　　　　Maximum : 75 marks

### SECTION A — (10 × 2 = 20 marks)

#### Answer ALL the questions.

1. Which Commands is used to execute a Shell file?

2. What are the different types of Shells available?

3. What is meant by Being shifty?

4. List out four types of Control instructions available in shell.

5. What is Recursion?

6. What is Adding x window graphics?

7. What is Regular expression?

8. Write the syntax of sed command.

9. What are Python arguments?

10. List out the benefits of using Python.

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Discuss about viewing file contents in shell.

Or

(b) Explain the Nested IF statement with an example.

12. (a) Summarize the Iterating with Until statement.

Or

(b) Write a note on Working with options.

13. (a) Explain the using variables in Functions.

Or

(b) Evaluate Returning a value from a function.

14. (a) Discuss the using Structured commands in gawk.

Or

(b) Discuss using sed in scripts.

15. (a) What are Technical requirement using Python as a Bash scripting alternative?

Or

(b) Explain the String manipulation in Python.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Classify the various Test commands in shell programming.

17. Explain the Running script in Background mode.

18. Explain the Building text window.

19. Elaborate the Extended Regular expression.

20. Discuss the methods of performing Automating Backups.

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